

Sheet 4

1. What is a manufacturing system?
2. Name the four components of a manufacturing system.
3. What are the three classifications of production machines, in terms of worker participation?
4. What are the five material handling functions that must be provided in a manufacturing system?
5. What is the difference between fixed routing and variable routing in manufacturing systems consisting of multiple workstations?
6. What is a pallet fixture in work transport in a manufacturing system?
7. A computer system is an integral component in a modern manufacturing system. Name four of the eight functions of the computer system listed in the text.
8. What are the five factors that can be used to distinguish manufacturing systems in the classification scheme proposed in the chapter?
9. Why is manning level inversely correlated with automation level in a manufacturing system?
10. Name the three cases of part or product variety in manufacturing systems. Briefly define each of the three cases.
11. What is flexibility in a manufacturing system?
12. What are the three capabilities that a manufacturing system must possess in order to be flexible?